

Newaygo County CTC Agriscience



Community Partners

- West Michigan Great Lakes Stewardship Initiative
- Mrs. Sarah Pregitzer, field coordinator
- Erick Elgin, MSU Extension
- The City of Fremont



Student Learning Outcomes

This year, the Newaygo County Career-Tech Center Agriscience students planned and implemented a shoreline restoration at Fremont Lake.

During the winter, the students were approached with the possibility of fixing some problems at Fremont Lake. The main issue was that the grass was being mowed up to the edge of the Lake, with no shoreline left. Students researched possible effects of this problem as well as possible solutions.

After finding two possible solutions, the students analyzed both before determining that restoring the shoreline would be the best solution.

Students then researched the best practices used to restore shorelines, studied native plants that could be used, and determined the location for the project.

After their research, students created plans for the project and the best design was selected.

During the implementation of the

project, students started by removing all of the sod from the location. This would prevent grass from growing among their native plants.

The next step was to replace the topsoil that was removed with the sod.

Next, students laid down a shoreline blanket that would prevent erosion.

Students then planted, putting the plants through the blanket so that the roots had space to grow.

Finally, students added mulch to hold in moisture, prevent weeds, and improve the looks of the project.

During this project, students learned about native plants, shoreline restoration techniques, how to plant, and how to draw to scale.





2017-2018 School Year Project Timeline

